

All about Rust Bullet

1) Rust Bullet is a single component high solid coating, with a unique formulation. It is very different than the traditional rust conversion or rust encapsulation products. Basically, Rust Bullet's technology is a new way to protect metal. The finished coat is as hard as any metallic material. Its unique formula is unmatched by anyone. Rust Bullet is an advanced coating system which is far more than just rust protection. It is a complete product that protects any solid surface from oxidation or chemical attack.

2) Most so called rust paints still use the old technology; rust conversion with rust inhibiting chemicals added. Rust Bullet's technology should not be confused with rust converters. Rust Bullet's new patented technology allows the 1st coat to penetrate the rusted areas dehydrating the rust, causing it to become a compact solid again. The 2nd coat of Rust Bullet seals everything air tight and the aluminium reacts with the resin to form a new armour tuff like surface on top of the old surface. Rust Bullet is a single component coating which means there is no need to mix anything or use any special pre-treatment product: saving you time and money.

3) Rust Bullet is designed to apply directly onto rusted surfaces, this allows the unique chemical action to take place which dehydrates the rust and kills the corrosion process. This unique formula contains patented ingredients that react with the resin and rust to form a metallic like shield that kills off the corrosion agents.

Down to Business, How to Use Rust Bullet

1) Remove any loose or flaking rust with a wire brush, wheel, or just power washing.

2) Start with a clean dry surface, Rust Bullet is moisture sensitive.

3) Rust Bullet Standard Gold Label is normally the consistency of about 40w motor oil. When using an Airless Spray System use a 517-519 tip at 2500 – 3000 psi a 523 tip works best on large jobs. Your pump will need to be repacked after 40-50 hours of use with Rust Bullet. Industrial or Marine Jobs require 3-4 coats for a total dry film thickness of 12-15 mils. A 5 gallon pail will provide about 500-525 sq ft of coverage for a 12-15 mil finish.

4) Apply at least 3-4 coats of Rust Bullet 2-4 hours apart from each other. When you can't transfer any to a gloved finger tip you are ready for an additional coat. We have Rapid Fire Accelerator available for industrial jobs

that lowers the cure time to 45 min between coats allowing a crew to apply several coats within one day.

5) Do not over spray Rust Bullet, thin even coats work better than heavy coats, even if it takes an additional coat Rust Bullet needs time to gas off expelling the CO₂ through its pores as they close up . If it is applied too thick the escaping gas will not disperse and cause bubbling.

6) Rust Bullet is a four in one product. It's a Binder, a filler, a sandable primer, and a final finish all in one.

7) Here are some top coat guidelines, Acrylic Lacquer, Urethane, Enamel, or Epoxy products compatible with aluminium work best with Rust Bullet as always check the MFGs recommendation. I do not recommend using a top coat paint that is of a moisture cured type. RustBullet will resist the chemical reaction between these types and they will not form the required adhesion that Rust Bullet needs.

8) Rust Bullet has a special patented technology to produce a smooth sleek metallic grey surface on metal. When cured the surface is armour tough. It can be wet sanded with some effort for a smoother finish and top coated within 24-48 hours after the last coat was applied.

9) Due to the time constraint and cured hardness of the Rust Bullet surface an alternate method is to spray sandable primer over the entire surface within the time frame of 24-48 hrs. Then you can paint the top coat on when you have time. The sandable primer is a lot easier to work with, giving you a glass smooth finish for your top coat paint.

10) Rust Bullet is ready to use right from the can, just stir it up by hand for 3- 5 min by the clock. Only pour out of the can what you intend to use in the next 45-60 min. An Airless should be use on large jobs only. It takes around $\frac{3}{4}$ of a gallon just to prime the pump. It's best to use 5 Gallon Pails. Always have a pail $\frac{1}{2}$ full of Xylene or Toluene or Meek, to clean out your pump and sprayer immediately after each coat is applied.

11) Remember clean your equipment after each coating with some Xylene, MEK, or Toluene whenever possible.

12) If for some reason you feel the consistency of the product is too thick you can add 1 to 1 ½ oz of Xylene or Toluene per quart (6.4 oz per gallon) until you have the correct feel. Just remember you are giving up mil thickness by doing so. An additional coat may be necessary for an excellent job.

What is a Metal Wash and How Does It Work? This is typically a liquid which is put into a spray bottle and sprayed onto the item being painted. Once sprayed on, it is allowed to sit and then washed off using water or a damp cloth. Note always wear rubber gloves and eye protection.

Metal Wash will perform the following tasks: It removes rust by dissolving it...metal is left clean and ready to paint. Etches metal to provide a better surface profile for painting. Coats the metal with zinc phosphate to inhibit further rusting and promote better paint adhesion. Improves welding conductivity. Removes rust stains from non-metallic surfaces such as porcelain, ceramic, fiberglass

What Type Surfaces Do I Use a Metal Wash On? Metal Wash is an excellent metal prep for any paint

It's best Used On:

- Painting on galvanized metal
- Painting on aluminium
- Painting on stainless steel
- Painting on smooth, polished, or new metal surfaces

Must I wash off the Metal-Wash after using it? and How do I apply it?

Yes. If you don't wash it off, a powdery residue will be left on the metal, which you will then have to remove with a wet rag or by hosing it off with water. Do not let the Metal Wash air dry completely or it will turn black. You can wipe Metal-Wash onto the surface using rubber gloves and a clean cloth or just use a good plastic spray bottle. After 1-3 hours wipe the Metal Wash off with a wet or damp rag, or by hosing it off. Let the washed surface completely dry for a day then apply your top coat. Note always wear rubber gloves and eye protection. When properly used Metal Washes will not harm paint, vinyl or rubber. **Metal Wash** will work more efficiently when used in a temperature range between 65 and 90 degrees Fahrenheit (18.3 - 32.2 Celsius)

Can Metal Washes Be Re-used?

Yes, just filter out the waste periodically to keep it in usable condition. You can use it on many other surfaces such as: water tanks, plumbing systems, air conditioners, humidifiers, radiators, coffee makers, etc. to flush out rust and lime and chemical build up remove rust from brake parts, rims, brake drums, air lines use to clean circuit boards and die sets.

Key Benefits:

- A Metal Wash Dissolves Rust
- A Metal Wash cleans and conditions metal surfaces.
- A Metal Wash leaves a light zinc phosphate coating to protect metal from moisture.
- A Metal Wash properly etches and conditions metal for better paint adhesion.
- A Metal Wash discourages the formation of rust under your new paint job.
- Available in quart & gallon containers, 5 gallon pails.

When using bottom paint or anti fouling paint keep this in mind.

Acrylic Lacquer, Urethane, Enamel, or Epoxy products compatible with aluminium work best with Rust Bullet. As always check the MFG recommendation.

These should work fine: for marine use as a top coat over Rust Bullet.

Three Causes of Premature Coating Failure:

Premature coating failure is caused by three factors: The application process is incorrect, the coating is not cured properly and the applicators misunderstanding of the Chemistry of Rust Bullet causing him to misuse the product